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10/566,714	02/01/2006	Kuniaki Ishibashi	053565	8972
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WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700 WASHINGTON, DC 20036			EXAMINER	
			HON, SOW FUN	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/566,714	Applicant(s) ISHIBASHI ET AL.
	Examiner SOPHIE HON	Art Unit 1794

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10/06/08.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1 and 4-19 is/are pending in the application.
- 4a) Of the above claim(s) 18 and 19 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,4-17 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1448)
 Paper No(s)/Mail Date 12/10/08
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Response to Amendment

Withdrawn Rejections

1. The 35 U.S.C. 103(a) rejections of claims 1-17 in the Office action dated 07/09/08 are withdrawn due to Applicant's amendment dated 10/06/08.

New Rejections

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 1, 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto (JPO Website Machine English Translation of JP 2003-043257).

Regarding claim 1, Matsumoto teaches a polarizing film comprising: a polymer film and a dichroic substance (abstract, SOLUTION), wherein the polarizing film has an absorption axis in the TD direction of the polarizing film (intersect perpendicularly to the running direction [0013] which is the machine direction), wherein the polarizing film is produced by stretching the long polymer film in the TD direction (extension direction in order to make absorption axis intersect perpendicularly to the running direction, [0013]) and shrinking the polymer film in the MD direction (film running direction (MD directions) [0016] which is the machine direction). While Matsumoto does not specify that the polymer film is a long film, Matsumoto teaches that the polymer film travels in the machine direction (running direction, MD direction, [0016]). The length of the polymer

film in the machine direction is continuous or an automated production length, which translates into "long". Thus, although Matsumoto is silent regarding the length of the polymer film in the MD direction, since the length of the polymer film in the MD direction (machine direction) is continuous or an automated production length, it can easily be not smaller than five times as long as the stretched length in the TD direction (transverse direction) of the polarizing film, for the purpose of providing the desired continuous or automated production length.

Regarding claim 4, Matsumoto teaches that the polarizing film is produced by stretching the long polymer film in the TD direction with a stretching ratio of 4 to 8 times as long as the initial width (draw magnification, [0013], extension direction intersect perpendicularly to the running direction [0013] which is the machine direction), which is within the claimed range of 1.1 to 20 times; and shrinking the polymer film in the MD direction with a shrinking ratio that is within the range of at least 2% as long as the initial length (abstract, SOLUTION) which contains the claimed range of 70 to 99%.

Regarding claims 5-7, Matsumoto teaches that the polarizing film is produced by dyeing the long polymer film which is stretched in the TD direction (horizontal uniaxial stretching obtained, and to carry out in order of dyeing subsequently, [0018]), with iodine by using an aqueous solution containing the iodine and applying it onto the long polymer film ([0019]). Matsumoto teaches that the long polymer film is shrunk in the MD direction right after it is stretched in the TD direction (lay length which intersects perpendicularly with the direction of uniaxial stretching is made contracted after lateral orientation, [0016], extension direction, which is the transverse direction, intersects

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perpendicularly to the running direction of the film [0013] which is the machine direction).

3. Claims 8-10, 12, 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto as applied to claims 1, 4-7 above, and further in view of Yoshida (US 2001/0030726).

Matsumoto teaches the polarizing film discussed above. In addition, Matsumoto teaches that the polarizing film is thin and has good polarizing properties ([0006]).

Regarding claims 8, 17, Matsumoto teaches that the polarizing film is used in a liquid crystal display ([0002]) where it can be laminated to a retardation film (phase difference plate, [0030]). Matsumoto fails to teach that the laminated film comprises the polarizing film and the retardation film such that the retardation film having a slow axis in the MD direction comprises a long polymer film, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, or that the laminated film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Yoshida teaches a laminated film comprising a polarizing film (162, [0437], Fig. 94) and a retardation film (168, [0436], Fig. 94) having a slow axis (phase-delay axis, [0177]) that is orthogonal to the absorption axis of the adjacent polarizing film (first polarizing element, [0177]), wherein the laminated film is disposed outside of a liquid crystal cell of the liquid crystal display (first and second polarizing elements on both sides of a liquid crystal panel of liquid crystal display, [0177]), for the purpose of providing improved viewing angle characteristics for the display ([0178]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have provided the laminated film comprising the polarizing film and retardation film of Matsumoto, such that the retardation film has a slow axis that is perpendicular to the absorption axis of the polarizing film, and the MD direction of the polarizing film corresponds to the MD direction of the retardation film, being in the same laminated film, so that the slow axis of the retardation film is in the MD direction, being orthogonal to the absorption axis of the polarizing film which is in the TD direction, and to have disposed the laminated film outside of a liquid crystal cell in the liquid crystal display of Matsumoto, in order to obtain the desired improvement in display viewing angle characteristics, as taught by Yoshida.

Regarding claim 9, Yoshida teaches that the retardation film comprises a uniaxially stretched film ([0437]), for the purpose of providing the desired retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 10, Yoshida teaches that the retardation film comprises an optically uniaxial layer comprising a liquid crystal material ([0183]), for the purpose of providing the desired retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 12, Yoshida teaches that the retardation film is a composite film comprising a birefringent layer provided on a birefringent polymer film (retardation films 61, 63 [0197], polarizing element 21, [0198], Fig. 22), for the purpose of providing the desired combination of retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 16, Matsumoto teaches that the polarizing film is used in a liquid crystal display ([0002]). Matsumoto fails to teach that the polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Yoshida teaches that a polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display (first and second polarizing elements on both sides of a liquid crystal panel of liquid crystal display, [0177]), for the purpose of providing the desired polarizing light.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have disposed the polarizing film outside of a liquid crystal cell of the liquid crystal display of Matsumoto, in order to provide the desired polarized light, as taught by Yoshida.

4. Claims 8, 11, 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto in view of as applied to claims 1, 4-7 above, and further in view of Abileah (US 5,907,378).

Matsumoto teaches the polarizing film discussed above. In addition, Matsumoto teaches that the polarizing film is thin and has good polarizing properties ([0006]).

Regarding claims 8, 17, Matsumoto teaches that the polarizing film is used in a liquid crystal display ([0002]) where it can be laminated to a retardation film (phase difference plate, [0030]). Matsumoto fails to teach that the laminated film comprises the polarizing film and the retardation film such that the retardation film having a slow axis in the MD direction comprises a long polymer film, wherein the MD direction of the

polarizing film corresponds to the MD direction of the retardation film, or that the laminated film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Abileah teaches that a retardation film is provided in a laminated film comprising the polarizing film, outside of a liquid crystal cell (polarizer 1, retardation film 3, liquid crystal layer 5, column 33, lines 1-10, Fig. 41) of a liquid crystal display (column 32, lines 62-65), for the purpose of obtaining improved contrast ratios for the display (column 33, lines 30-35). Abileah teaches that the retardation film has a slow axis, or axis of retardation that is parallel to the transmission axis of the polarizing film (optical axis of each retardation film is oriented substantially parallel to the adjacent polarizer transmission axis, column 32, lines 39-42) which means that the slow axis of the retardation film is perpendicular to the absorption axis of the polarizing film.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have provided the laminated film comprising the polarizing film and retardation film of Matsumoto, such that the retardation film has a slow axis that is perpendicular to the absorption axis of the polarizing film, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, being in the same laminated film, so that the slow axis of the retardation film is in the MD direction, being perpendicular to the absorption axis of the polarizing film which is in the TD direction, and to have disposed the laminated film outside of a liquid crystal cell in the liquid crystal display of Matsumoto, in order to obtain the desired contrast ratios for the display, as taught by Abileah.

Regarding claim 11, Abileah teaches that the retardation film can comprise a birefringent layer comprising a non-liquid crystal material having a birefringence that is not lower than 0.005 (polyimide, delta n was between 0.02 and 0.03, column 35, lines 1-15), for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claims 13-14, Abileah teaches that the birefringent layer can comprise a polyimide (birefringent film, column 18, lines 55-58) which is a polymer that is inherently solid in the film form, for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claim 15, Abileah teaches that the birefringent layer can have a relationship $n_x > n_y > n_z$ ($n_x = 1.4305$, $n_y = 1.4275$, $n_z = 1.4261$, column 30, lines 60-65), for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claim 16, Matsumoto teaches that the polarizing film is used in a liquid crystal display ([0002]). Matsumoto fails to teach that the polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Abileah teaches that a polarizing film (column 26, lines 25-35) is disposed outside of a liquid crystal cell (column 26, lines 17-20, display has at its rear, a linear polarizer, column 26, lines 25=27) of a liquid crystal display (column 26, lines 14-16), for the purpose of providing the desired polarized light.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have disposed the polarizing film outside of a liquid

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crystal cell of the liquid crystal display of Matsumoto, in order to provide the display with the desired polarized light, as taught by Abileah.

5. Claims 1, 4-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hosonuma (US 4,643,529).

Regarding claim 1, Hosonuma teaches a polarizing film (column 6, line 30) comprising: a long polymer film (unoriented film formed in Example 1, column 6, lines 10-15), and a dichroic substance (photodichroic dye, column 5, lines 10-11) wherein the polarizing film is produced by stretching the long polymer film in the TD direction (transversely, column 6, lines 20-25), and thus inherently has an absorption axis in the TD direction of the polarizing film as evidenced by Applicant's specification (the step of stretching the long film in the widthwise direction aims at providing an absorption axis in the widthwise direction of the long film, page 10). Hosonuma teaches that the polarizing film is further produced by shrinking the long polymer in the machine direction (as the film traveled in the machine direction, longitudinal mark had a shrink ratio of 45%, column 6, lines 13-15, 30-33, stretched transversely, column 6, lines 20-25).

While Hosonuma does not specify that the polymer film is a long film, Hosonuma teaches that the film travels in the machine direction (column 6, lines 10-20), with an ink mark that is 100 mm long, imprinted on the film in the machine direction (column 6, lines 12-15), in order to determine the longitudinal shrinkage of the long polymer film after stretching in the transverse direction (in the polarizing film thus obtained, the mark had a length of 55 mm and hence a shrink ratio of 45%, column 6, lines 30-32). The length of the polymer film in the machine direction is continuous or an automated production

length, which translates into "long". Thus, although Hosonuma is silent regarding the length of the polymer film in the MD direction, since the length of the polymer film in the MD direction (machine direction) is continuous or an automated production length, it can easily be not smaller than five times as long as the stretched length in the TD direction (transverse direction) of the polarizing film, for the purpose of providing the desired continuous or automated production length.

Regarding claim 4, Hosonuma teaches that the polarizing film is produced by stretching the long polymer film in the TD direction with the stretching ratio of 4.5 times as long as the original width (stretched transversely, column 6, lines 20-24), which is within the claimed range of 1.1 to 20 times. Hosonuma teaches shrinking the long polymer film in the MD direction with the shrinking ratio of 45% as long as the initial length (where the film is transversely stretched, this should be carried out while allowing the film to shrink, column 3, lines 27-30, unoriented film imprinted with a longitudinal mark 100 mm long, column 6, lines 11-14, polarizing film obtained had a length of 55 mm, shrink ratio of 45%, column 6, lines 30-32). Thus Hosonuma fails to teach a shrinking ratio in the MD direction that is within the range of 70 to 99%.

However, Hosonuma teaches that the shrinking ratio is equal to the square root of the stretch ratio (column 3, lines 25-30) and that the polarizing power is enhanced as its degree of orientation and hence stretching is higher (column 1, lines 50-55), thus establishing the shrinking ratio in the MD direction as a result-effective variable which increases as the stretch ratio in the TD direction increases, for the purpose of providing the desired polarizing power to the polarizing film.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have increased the shrinking ratio in the MD direction of the polarizing film of Hosonuma, from 45% to one that is within the range of 70 to 99% as long as the initial length, in order to obtain the desired orientation and hence polarizing power in the TD direction, as taught by Hosonuma.

Regarding claims 5-7, Hosonuma teaches that the polarizing film is produced by dyeing the long polymer, which is stretched in the TD direction, and shrunk in the MD direction, as described above, with a dichroic substance by applying a solution containing the dichroic substance onto the polymer film (soaking it in a solution of the photodichroic material, column 3, lines 1-5). Hosonuma teaches that iodine can be substituted for the dichroic dye as the dichroic substance in the polarizing film (column 1, lines 34-40) for the purpose of providing high polarization (column 1, lines 22-32).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have used iodine in place of the dichroic dye as the dichroic substance in the polarizing film, in order to obtain high polarization, as taught by Hosonuma.

Hosonuma fails to disclose that the solution is an aqueous solution, or that the long polymer is stretched and shrunk prior to dyeing. However, even though product by process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior

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product was made by a different process. See MPEP 2113. In the instant case, the product is the iodine-dyed stretched and shrunk polymer film product.

6. Claims 8-10, 12, 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hosonuma as applied to claims 1, 4-7 above, and further in view of Yoshida (US 2001/0030726).

Hosonuma teaches the polarizing film discussed above. In addition, Hosonuma teaches that the polarizing film has a high degree of polarization (abstract).

Regarding claims 8, 17, Hosonuma teaches that the polarizing film is used in a liquid crystal display (column 1, lines 8-15). Hosonuma fails to teach a laminated film comprising the polarizing film described above with a retardation film having a slow axis in the MD direction, which comprises a long polymer film, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, or that the laminated film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Yoshida teaches a laminated film comprising a polarizing film (162, [0437], Fig. 94) and a retardation film (168, [0436], Fig. 94) having a slow axis (phase-delay axis, [0177]) that is orthogonal to the absorption axis of the adjacent polarizing film (first polarizing element, [0177]), wherein the laminated film is disposed outside of a liquid crystal cell of the liquid crystal display (first and second polarizing elements on both sides of a liquid crystal panel of liquid crystal display, [0177]), for the purpose of providing improved viewing angle characteristics for the display ([0178]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have provided a laminated film comprising a retardation

film having a slow axis that is perpendicular to the absorption axis of the polarizing film of Hosonuma, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, being in the same laminated film, so that the slow axis of the retardation film is in the MD direction, being orthogonal to the absorption axis of the polarizing film which is in the TD direction, and to have disposed the laminated film outside of a liquid crystal cell in the liquid crystal display of Hosonuma, in order to obtain the desired improvement in display viewing angle characteristics, as taught by Yoshida.

Regarding claim 9, Yoshida teaches that the retardation film comprises a uniaxially stretched film ([0437]), for the purpose of providing the desired retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 10, Yoshida teaches that the retardation film comprises an optically uniaxial layer comprising a liquid crystal material ([0183]), for the purpose of providing the desired retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 12, Yoshida teaches that the retardation film is a composite film comprising a birefringent layer provided on a birefringent polymer film (retardation films 61, 63 [0197], polarizing element 21, [0198], Fig. 22), for the purpose of providing the desired combination of retardation characteristics for improving the viewing angle as discussed above.

Regarding claim 16, Hosonuma teaches that the polarizing film is used in a liquid crystal display (column 1, lines 8-15). Hosonuma fails to teach that the polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Yoshida teaches that a polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display (first and second polarizing elements on both sides of a liquid crystal panel of liquid crystal display, [0177]), for the purpose of providing the desired polarizing light.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have disposed the polarizing film outside of a liquid crystal cell of the liquid crystal display of Hosonuma, in order to provide the desired polarized light, as taught by Yoshida.

7. Claims 8, 11, 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hosonuma in view of as applied to claims 1, 4-7 above, and further in view of Abileah (US 5,907,378).

Hosonuma teaches the polarizing film discussed above. In addition, Hosonuma teaches that the polarizing film has a high degree of polarization (abstract).

Regarding claims 8, 17, Hosonuma teaches that the polarizing film is used in a liquid crystal display (column 1, lines 8-15). Hosonuma fails to teach a laminated film comprising the polarizing film described above with a retardation film having a slow axis in the MD direction, which comprises a long polymer film, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, let alone that it is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Abileah teaches that a retardation film is provided in a laminated film comprising the polarizing film, outside of a liquid crystal cell (polarizer 1, retardation film 3, liquid crystal layer 5, column 33, lines 1-10, Fig. 41) of a liquid crystal display (column

32, lines 62-65), for the purpose of obtaining improved contrast ratios for the display (column 33, lines 30-35). Abileah teaches that the retardation film has a slow axis, or axis of retardation that is parallel to the transmission axis of the polarizing film (optical axis of each retardation film is oriented substantially parallel to the adjacent polarizer transmission axis, column 32, lines 39-42) which means that the slow axis of the retardation film is perpendicular to the absorption axis of the polarizing film.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have provided a laminated film comprising a retardation film having a slow axis that is perpendicular to the absorption axis of the polarizing film of Hosonuma, wherein the MD direction of the polarizing film corresponds to the MD direction of the retardation film, being in the same laminated film, so that the slow axis of the retardation film is in the MD direction, being perpendicular to the absorption axis of the polarizing film which is in the TD direction, and to have disposed the laminated film outside of a liquid crystal cell in the liquid crystal display of Hosonuma, in order to obtain the desired contrast ratios for the display, as taught by Abileah.

Regarding claim 11, Abileah teaches that the retardation film can comprise a birefringent layer comprising a non-liquid crystal material having a birefringence that is not lower than 0.005 (polyimide, delta n was between 0.02 and 0.03, column 35, lines 1-15), for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claims 13-14, Abileah teaches that the birefringent layer can comprise a polyimide (birefringent film, column 18, lines 55-58) which is a polymer that is

inherently solid in the film form, for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claim 15, Abileah teaches that the birefringent layer can have a relationship $n_x > n_y > n_z$ ($n_x = 1.4305$, $n_y = 1.4275$, $n_z = 1.4261$, column 30, lines 60-65), for the purpose of providing the desired retardation characteristics for improving the contrast ratio, as discussed above.

Regarding claim 16, Hosonuma teaches that the polarizing film is used in a liquid crystal display (column 1, lines 8-15). Hosonuma fails to teach that the polarizing film is disposed outside of a liquid crystal cell of the liquid crystal display.

However, Abileah teaches that a polarizing film (column 26, lines 25-35) is disposed outside of a liquid crystal cell (column 26, lines 17-20, display has at its rear, a linear polarizer, column 26, lines 25=27) of a liquid crystal display (column 26, lines 14-16), for the purpose of providing the desired polarized light.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to have disposed the polarizing film outside of a liquid crystal cell of the liquid crystal display of Hosonuma, in order to provide the display with the desired polarized light, as taught by Abileah.

Response to Arguments

8. Applicant's arguments against the valid use of Hosonuma have been fully considered but they are not persuasive.

9. Applicant argues that the film of Hosonuma is stretched in the longer direction, i.e. the MD direction and not the TD direction, and as such, does not have an absorption axis in the TD direction of the polarizing film.

Applicant is respectfully apprised that the film of Hosonuma is indeed stretched in the TD direction (transversely, column 6, lines 20-25), and thus inherently has an absorption axis in the TD direction of the polarizing film as evidenced by Applicant's specification (the step of stretching the long film in the widthwise direction aims at providing an absorption axis in the widthwise direction of the long film, page 10) and is shrunk in the machine direction (as the film traveled in the machine direction, longitudinal mark had a shrink ratio of 45%, column 6, lines 13-15, 30-33, stretched transversely, column 6, lines 20-25).

10. Applicant argues that Hosonuma fails to satisfy the limitation of "wherein the length in the MD direction of the polarizing film is not smaller than five times as long as the length in the TD direction of the polarizing film.

Applicant is respectfully apprised that Hosonuma teaches that the film travels in the machine direction (column 6, lines 10-20), with an ink mark that is 100 mm long, imprinted on the film in the machine direction (column 6, lines 12-15), in order to determine the longitudinal shrinkage of the long polymer film after stretching in the transverse direction (in the polarizing film thus obtained, the mark had a length of 55 mm and hence a shrink ratio of 45%, column 6, lines 30-32). The length of the polymer film in the machine direction is continuous or an automated production length, which translates into "long". Thus, although Hosonuma is silent regarding the length of the

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polymer film in the MD direction, since the length of the polymer film in the MD direction (machine direction) is continuous or an automated production length, it can easily be not smaller than five times as long as the stretched length in the TD direction (transverse direction) of the polarizing film, for the purpose of providing the desired continuous or automated production length.

Conclusion

11. Applicant's submission of an information disclosure statement under 37 CFR 1.97(c) with the fee set forth in 37 CFR 1.17(p) on 12/10/08 prompted the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 609.04(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number is (571)272-1492. The examiner can normally be reached Monday to Friday from 10:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Keith Hendricks, can be reached on (571)272-1401. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Sophie Hon/

Examiner, Art Unit 1794

/KEITH D. HENDRICKS/
Supervisory Patent Examiner, Art Unit 1794